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Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the

application:

Listing of Claims:

Claims 1-25 (canceled)

26. (new) A process of handling solution of sucrose intermediates and derivatives,

including, chlorinated sucrose, comprising:

a) removal of liquids from the said solution by direct drying, under conditions

mild enough to prevent degradation or modification of chlorinated sucrose,

for recovery of solids from the said liquids and the end product of such

operations is a solid mass of the chemicals visibly free from the said liquid;

b) recovering the said solids, present in the said liquid either in substantially

pure form or with other solid impurities;

c) the said liquids being obtained in a process of producing chlorinated

sucrose, mainly 1',6' Dichloro-1',6'-Dideoxy-â- D-Fructo-Furanosyl-4-

Chloro-4-Deoxy-á-D-Galactopyranoside;

the said method of drying including one or a combination of, agitated thin film

drying, spray drying, freeze drying and super critical extraction.

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wherein the process of production of chlorinated sucrose comprises of,

i) deacylation of intermediates of chlorinated sucrose before as well as

after drying of the chlorination reaction mixture by mild drying methods

described above;

ii) use of alkali metal oxides as well as alkoxides, including Potassium

Methoxide or Sodium Methoxide, for deacylation;

iii) achieving deacylation up to pH of 9 but well below pH 11.

27.(new) The process of claim 26, wherein the chlorinated sucrose (or its

intermediates or derivatives) containing liquid is a mixture of the respective

substantially pure forms as well as of several solid ingredients of other chemicals in

dissolved or suspended state.

28. (new) The process of claim 27 wherein the individual ingredients of the said

mixture of solids, containing chlorinated sucrose (or its intermediates or derivatives)

as one of the ingredients, originate from reactants of a process undertaken for

chlorination of sucrose-6-esters.

29. (new) The process of claim 28 wherein the sucrose-6-ester is sucrose-6-acetate

or sucrose-6-benzoate.

30 (new) The process of claim 29 wherein the chlorinating reagent is any one

suitable for chlorinating sucrose-6-ester.

31.(new) The process of claim 30 wherein the said chlorinating reagent is a

Vilsmeier reagent of the formula [XCIC=NR<sub>2</sub>]<sup>†</sup>Cl<sup>-</sup> (where R represents an alkyl group

and X represents a hydrogen atom or a methyl group].

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32.(new) The process of claim 28 wherein in the said process of chlorination,

sequence of steps involves addition of sucrose-6-ester solution in a tertiary amide to

the chlorinating reagent for chlorination.

33. (new) The process of claim 32 wherein the said tertiary amide is N, N-

dialkylformamide.

34. (new) The process of claim 33 wherein the said N, N-dialkylformamide is

dimethylformamide.

35. (new) The process of claim 26, wherein the chlorinated sucrose containing

liquid contains chlorinated sucrose in pure form with impurities in small or trace

quantities.

36. (new) The process of claim 35 wherein the said chlorinated sucrose containing

liquid, is a wash solvent collected as effluent from a column chromatography of an

impure solution of chlorinated sucrose.

37.(new) The process of claim 36 wherein the said wash solvent is subjected to

concentration before subjecting to drying treatment.

38.(new) The process of claim 36 wherein the said wash solvent used for

desorbtion is either a single solvent like ethyl acetate, or mixture of solvents like

mixture of toluene and methanol or mixture of methanol or water & ethyl acetate.

39. (new) The process of claim 36 when the said column chromatography is done by

using a suitable adsorbent preferably, alumina or silica gel.

40. (new) The process of claim 36 when the said impure solution is the crude extract

of chlorinated sucrose (or its intermediates or derivatives) from a solid powder

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mixture of several chemicals, including chlorinated sucrose; extraction being done by any suitable extraction process including supercritical extraction or by conventional extraction in any suitable solvent including water, ethyl acetate, methanol, methyl ethyl ketone, acetone, which are capable of selective extraction of substantially pure form of chlorinated sucrose free from impurities.

- 41. (new) The process of claim 37 wherein the concentrated extract is subjected to conventional crystallization for purification of chlorinated sugar.
- 42.(new) The process of claim 28, wherein the said process of chlorination comprises of:
  - i) preparation of Vilsmeir reagent from Phosphorus oxy-chloride,
  - ii) addition of sucrose-6-ester, preferably sucrose-6-acetate, to Vilsmeier reagent at 5° to 10°C. and allowing reaction to complete,
  - heating the reaction mixture to 80° to100°C., preferably between 90° to 95°C. and maintained for half to one hour,
  - iv) raising temperature of reaction mixture of step no. (iii) to 110°C., preferably to 120.° to 130°C. and maintained for 3-5 hours,
  - v) cooling the reaction mass to room temperature, cooling the reaction mass into a solution of a suitable deacylating reagent in inorganic basic solution like alkali hydroxide solution accompanied by further cooling to keep the temperature below 30° to 35°C.,
  - vi) adjusting the pH to 7 to 9.5 and preferably 8-9.

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43. (new) The process of claim 42 wherein at step no. v), wherein any alkoxide,

preferably Potassium Methoxide or Sodium Methoxide is used instead of alkali metal

oxides for deacylation...

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44. (new) The process of claim 42 wherein pH is adjusted only up to 9 and reaction

mixture is subjected to removal of liquids from the said solution by direct drying,

under conditions mild enough to prevent degradation or modification of chlorinated

sucrose, for recovery of solids from the said liquids and the end product of such

operations is a solid mass of the chemicals visibly free from the said liquid.

45. (new) The process of claim 26 wherein the solids obtained from drying of

reaction mixture from chlorination step are extracted for chlorinated sucrose

recovery by any suitable method of extraction, including, solvent extraction.

46. (new) The process of claim 36 wherein the said impure solution is the solution of

the solid powder mixture of several chemicals, including chlorinated sucrose, made

in water and subjected to purification by application of separation methods including

column chromatography, extraction in water immiscible solvent having selective

affinity with chlorinated sucrose or chlorinated sucrose intermediates or chlorinated

sucrose derivatives

47. (new) The process of claim 36 when the said impure solution is the crude extract

of chlorinated sucrose (or its intermediates or derivatives) from a solid powder

mixture of several chemicals, including chlorinated sucrose; extraction being done

by water and the water extract being subjected to a any suitable extraction process

including to conventional extraction in any suitable solvent, including ethyl acetate,

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methanol, methyl ethyl ketone, acetone, which are capable of selective extraction of

substantially pure form of chlorinated sucrose free from impurities.

48. (new) A solid powder form of a chlorinated sucrose, its intermediates, its

derivatives of process of claim 26, at a least part of which is amorphous or non

crystalline.

49. (new) Chlorinated sucrose, its intermediates, its derivatives of claim 48 which

comprises of :

i) average particle size of 8 micron or less, within a range of 5 micron to

8 micron.

ii) residual moisture content of 10% or less, more particularly less than

5%, still more particularly less than 0.5%.

50.(new) Chlorinated sucrose, its intermediates, its derivatives of chlorinated

sucrose, its intermediates, its derivatives, at least a portion of which comprises of

particles less than 20 micron precipitated as microcrystalline particles directly from a

process of crystallization.

51.(new) Chlorinated sucrose, its intermediates, its derivatives of claim 50 which

comprises of:

i) average particle size distribution of 12 micron or less, majority of

particles being within a range of 8 micron to 10 micron

ii) various shapes ranging from globular particles to fully crystallized

needles

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iii) residual moisture content of 10 % or less, more particularly less than 0.5%, still more particularly less than 0.3%

52. (new) Chlorinated sucrose, its intermediates, its derivatives at least a part of which consists of amorphous or non crystalline or of particles less than 20 micron microcrystalline particles produced directly from a process of crystallization.

53. (new) An oral composition, ingestible as well as non-ingestible including a toothpaste and a chewing gum, a food, a beverage; high intensity sweetener composition; in solid, semi-solid or liquid form, to which is added a composition of chlorinated sucrose of claim 48.